George L. Santana Jr.

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Professional Experience

Managing Director of Engineering, Manufacturing and Process Development, 01/2014 – Present Vode Lighting LLC, Sonoma, California

Managing director leading the engineering, manufacturing, contract manufacturing selection, product design, deployment and support for factory automation systems. Manages USA, Germany and Asia teams delivering factory hardware automation solutions. AC2 Lighting supplier with NDA1 finish for new Apple Campus. The robots manufacture aluminum extrusions, heat sink and PCB used in the Industrial lighting system and building controls. With a strong insight into understanding of high volume manufacturing systems and how to implement them system wide. Focusing on consumer electronic products, SMT, Assembly, Test, or Packaging operations. Works with C level and senior levels in both strategic and implementation capacities. Outstanding functional understanding of various aspects of the automation and robotics field, with prior work experience in the creating of machine design, machine integration or production line support. Vary capable of forging relationships across groups and have the ability to negotiate and distill requirements down to their architectural elements.

Director, Engineering, 08/08 -10/14 Gillig, Hayward, California

Manager of 15 hardware, mechanical and software engineers. Designs, develops and documents electronic / electrical systems for use on hybrid electric vehicles. Supports the development of hybrid drives, inverters, battery packs used in mass transit. Works with customers on the design, specifications and integration of engine controls, GPS navigations systems, voice navigation systems, video surveillance, WIFI / CDMA security system used onboard to track and diagnose onboard vehicle problems remotely. Training new engineer’s on how to develop design and specify heavy duty products, turnkey specs and outsource the manufacturing of high quality, highly reliable, product / parts using the DFSS/DMAIIC development process. Implemented a new product development process using the capability maturity model to CMM level II with all the KPA’s documented using MSproject. Working on hybrid drive process improvement DC/DC converts and propulsion systems with Allison Transmission. Supporting development of an all-electric vehicle, with new gauges and instrumentation. GMW3172 trainer. Arena PLM

Military Service

B-52 Crew Chief 12/1982 - 6/1986 United States Air Force, Anderson AFB, Guam (E-4)

B-52 Crew Chief for the Flight Simulator. Air crew training EWO United Stated Air Force. TS/SBI

Education

MBA, Technology Management, 10/1997 3.86 GPA University of Phoenix, Arizona

BSEE, Bachelor Science in Electronic Engineering, 6/1993 Cleveland State University, Cleveland, Ohio

ASET, Associate Degree, in Electronics, 1/1990 Lakeland Community Colleague, Mentor, Ohio

MBB, Master Black Belt, GE 2/2001 Columbus, Ohio, Certification, DFSS/DMIAC/LEAN

Program Management Professional (PMP), 5/2003 Project Management Institute, Certification

Program for Leadership Development, 9/2009 Harvard Business School, Boston, Ma.